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TL Borden, JP Hennessy, JW Rymarczyk - IBM Systems Journal, 1989 - research.ibm.com

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D Turk, J Bausch - IBM Systems Journal, 2005 - research.ibm.com

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TC Cederlöf, A de Klerk, T Herlin, T Ostaszewski - e-techservices.com

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WJ Rooney, JP Kubala, J Maergner, P Yocom - IBM Journal of Research and Development, 2002 - research.ibm.com

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A Troelsen - 2001 - dotnetforum.dk

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A Hoezel - 1998 - status.lsu.edu

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HH Chu, K Nahrstedt - Multimedia Computing and Systems, 1999. IEEE International ... , 1999 - ieeexplore.ieee.org

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... as a percentage of the total processor **resource** which is ... a top-level scheduler which allocates processor time to ... Let T_u be the length of **time slice** used by ...

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I Stoica, H Abdel-Wahab, K Jeffay, S Baruah, J ... - Proceedings of the IEEE RTSS, 1996 - doi.ieeecs.org ... On the one hand, proportional share **resource allocation** is a variant of the pure process ... each time unit each process receives $1/n$ of the processor's capacity ...

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JK Millen - Research in Security and Privacy, 1992. Proceedings., 1992 ... , 1992 - ieeexplore.ieee.org ... **Resource allocation** The relationship between "services" and ... Any system with **time-slice** scheduling, for example ... and reassigns) access to the **CPU resource** ...

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I Stoica, H Abdel-Wahab, K Jeffay - Multimedia Computing and Networking Proceedings, SPIE ... , 1997 - cs.unc.edu

... client reserves 50% of the **CPU**, the remaining ... bid acquires the **resource** for the next **time-slice**. ... scheme successfully solves the **resource allocation** problem in ...

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DB Kirk - Real Time Systems Symposium, 1989. Proceedings., 1989 - ieeexplore.ieee.org ... Caches have been bridging the gap between **CPU** speeds and ... this static time-slicing of system **resources** is shown ... are processed by dedicat- ing a **time slice** to a ...

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MA Jette - Proc. of Supercomputing - doi.ieeecomputersociety.org

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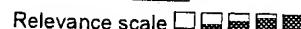
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Diamond Eleftherios D. Polychronopoulos, Xavier Martorell, Dimitrios S. Nikolopoulos, Jesus Labarta, Theodore S. Papatheodorou, Nacho Navarro

July 1998 **Proceedings of the 12th international conference on Supercomputing**

Publisher: ACM Press

Full text available:  [pdf\(1.20 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**22** The impact of operating system scheduling policies and synchronization methods of performance of parallel applications

Diamond Anoop Gupta, Andrew Tucker, Shigeru Urushibara

April 1991 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1991 ACM SIGMETRICS conference on Measurement and modeling of computer systems SIGMETRICS '91**, Volume 19 Issue 1

Publisher: ACM Press

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Shared-memory multiprocessors are frequently used as compute servers with multiple parallel applications executing at the same time. In such environments, the efficiency of a parallel application can be significantly affected by the operating system scheduling policy. In this paper, we use detailed simulation studies to evaluate the performance of several different scheduling strategies. These include regular priority scheduling, coscheduling or gang scheduling, process control with processor pa ...

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Diamond Kenneth J. Duda, David R. Cheriton

December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles SOSP '99**, Volume 33 Issue 5

Publisher: ACM Press

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Systems need to run a larger and more diverse set of applications, from real-time to interactive to batch, on uniprocessor and multiprocessor platforms. However, most